



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/648,549

08/25/2003

Jon Claude Russell Bennett

D03056 06

5165

43471 7590 10/16/2009

Motorola, Inc.  
Law Department  
1303 East Algonquin Road  
3rd Floor  
Schaumburg, IL 60196

EXAMINER

HAN, CLEMENCE S

ART UNIT

PAPER NUMBER

2464

NOTIFICATION DATE

DELIVERY MODE

10/16/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing.US@motorola.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/648,549	<b>Applicant(s)</b> BENNETT, JON CLAUDE RUSSELL	
	<b>Examiner</b> CLEMENCE HAN	<b>Art Unit</b> 2464	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 22 June 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moriarty (US Pub.2002/0161755) in view of McGregor (IPMP draft-mcgregor-ipmp-00.txt).

Regarding claim 1, 6 and 11, Moriarty teaches a method for performing a measurement in a network comprising: creating an performance measurement packet (step 10 in Figure 3) by a measurement host; including in the performance measurement packet instructions for a recipient of the performance measurement packet, said instructions including instructions to a recipient to provide specified information 23 (TTL (Time to live), see [0027]) and an instruction to a recipient to insert any additional data (RTT (round trip time), see [0027]) desired by the recipient in the performance measurement packet when forwarding the performance measurement packet. Moriarty, however, does not teach the performance measurement packet as Internet Protocol Measurement Protocol (IPMP) packet. McGregor teaches performance measurement packet as IPMP packet. It would have been obvious to one skilled in the art to modify

Moriarty to use IPMP packet to measure performance as taught by McGregor in order to avoid denial of service attack (page 1 Abstract section third paragraph).

Regarding claim 2, 7 and 12, Moriarty teaches encapsulating the performance measurement packet in an Internet Protocol (IP) datagram and a predetermined link layer protocol (ICMP packet is encapsulated in IP packet, see [0003]).

Regarding claim 3, 8 and 13, Moriarty teaches sending (step 12 in Figure 3) the performance measurement packet into the network from the measurement host.

Regarding claim 4, 9 and 14, Moriarty teaches the additional data includes traffic levels (RTT are dependent on the traffic level, see [0027]).

Regarding claim 5, 10 and 15, Moriarty teaches the additional data includes environmental data, weather data or other information (RTT, see [0027]) that may impact communications link performance (longer RTT usually means poor communication link).

### ***Response to Arguments***

3. Applicant's arguments filed 06/22/2009 have been fully considered but they are not persuasive. In response to page 4-6, the applicant argues that Moriarty and McGregor does not teach an instruction to a recipient to insert any additional data desired by the recipient in the IPMP packet when forwarding the IPMP packet. Moriarty teaches an instruction to a recipient (Border Device 3 in Figure 1 which receives the performance measurement packet 20 in step 14 in Figure 3) to insert any additional data desired by the recipient (any data inserted by the Border Device in [0027] could be "any additional data desired by the recipient") in the performance measurement packet when forwarding the

performance measurement packet. Moriarty, however, does not teach the performance measurement packet as Internet Protocol Measurement Protocol (IPMP) packet.

McGregor teaches performance measurement packet as IPMP packet. It would have been obvious to one skilled in the art to modify Moriarty to use IPMP packet to measure performance as taught by McGregor in order to avoid denial of service attack (page 1 Abstract section third paragraph).

### ***Conclusion***

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CLEMENCE HAN whose telephone number is (571)272-3158. The examiner can normally be reached on Monday-Friday 8-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ricky Ngo/  
Supervisory Patent Examiner, Art Unit 2464

/C. H./  
Examiner, Art Unit 2464